

Canadian manufacturer co-packages 1.6T of photonics



Overview

POET Technologies Inc of Toronto, Ontario, Canada — designer and developer of the POET Optical Interposer, photonic integrated circuits (PICs) and light sources for the data-center, telecom and artificial intelligence (AI) markets — has announced its development of an optical. POET Technologies Inc of Toronto, Ontario, Canada — designer and developer of the POET Optical Interposer, photonic integrated circuits (PICs) and light sources for the data-center, telecom and artificial intelligence (AI) markets — has announced its development of an optical. STMicroelectronics just entered high-volume production of its PIC100 silicon photonics platform — the manufacturing technology behind the 800G and 1.6T optical modules going into every major AI data center buildout. For network engineers, this is the plumbing layer beneath your VXLAN EVPN overlays. We anticipate quadrupling our production by 2027 to meet the massive demand for silicon photonics technology that supports higher bandwidth and energy efficiency for hyperscalers' AI workloads. Fabricated on Tower Semiconductor's PH18DA process, the PIC integrates. NPC50503 1.6T NPO Laser Integrated Transmitter with OSPic™ all-optical signal processor enables in-demand speeds at critical architecture power efficiency in small form factor solution TEL AVIV, Israel, Jan. 13, 2026 /PRNewswire/ -- NewPhotonics® Ltd., the award-winning fabless semiconductor. Built on the POET Optical Interposer™ platform, Blazar is a ground-breaking light source solution to power both co-packaged optics (CPO) and high-bandwidth, chip-to-chip, light-based data communications links. Named after an extremely bright galactic object, Blazar utilizes POET's wafer-level.

Article Content

POET creates optical interposer platform for 1.6T transceivers using ...

POET expects to complete the design of 1.6T transmit and receive optical engines with 200Gbps-per-lane technology based on the new generation of Optical Interposer designs by early

POET to Demonstrate Cutting-Edge Light Source and Industry

Built on the POET Optical Interposer™ platform, Blazar is a ground-breaking light source solution to power both co-packaged optics (CPO) and high-bandwidth, chip-to-chip, light-based data

Advancing Canada's capacity in photonic semiconductors and AI ...

Over the past 2 decades, the CPFC has evolved into a key industrial partner for Canada's growing photonics ecosystem. Through design, refinement, fabrication and testing of compound

Marvell Honored for 1.6T Silicon Photonics Light Engine and ACC

In the 13th annual Lightwave Innovation Reviews, Marvell received awards for two of its optical connectivity products: the active copper cable (ACC) linear equalizers and 1.6T silicon

TSMC has made significant progress in silicon photonics technology: 1 ...

Recently, TSMC has made a major breakthrough in its silicon photonics strategy, successfully combining co-packaged optical components (CPO) technology with advanced

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The market driven by 1.6T and 3.2T optical engines Reference: M. Filer (Microsoft), ARPA-E Phase-2 Kick-Off Meeting, Jan 2021 • AI/HPC and System Disaggregation have the most demanding optical

Photonics

NPO Chiplet TEL AVIV, Israel, Jan. 20, 2026 — The NPC50503 1.6T near-package optics (NPO) laser integrated transmitter from NewPhotonics is a silicon photonic chiplet designed for NPO

POET Technologies and Lumilens Advance Wafer-Level Photonic

The company designs, develops, and manufactures near-package optics, co-packaged optics, and pluggable optical transceivers for hyperscale AI data centers. With its own silicon

Xanadu Quantum Technologies opens \$10m photonic packaging

Xanadu Quantum Technologies has opened a CA\$10 million (US\$7.3m) advanced photonic packaging facility in Toronto, Canada. It is the only end-to-end, ultra-low-loss photonic

Understanding 1.6T Transceivers: The Next Generation in Optical ...

Understanding 1.6T Transceivers: The Next Generation in Optical Networking The demand for faster, more efficient data transmission is rapidly growing, driven by advancements in

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